

Product datasheet for **AP07495PU-N**

IKAP (IKBKAP) (148-161) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 20 µg/ml. Western Blot: 1/500 - 1/1000.
Reactivity:	Human, Bovine, Canine, Equine, Porcine, Rabbit
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from human IKBKAP / IKAP, aa 148-161
Specificity:	This antibody detects aa 148-161 of IKAP.
Formulation:	PBS State: Aff - Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein
Database Link:	Entrez Gene 8518 Human O95163



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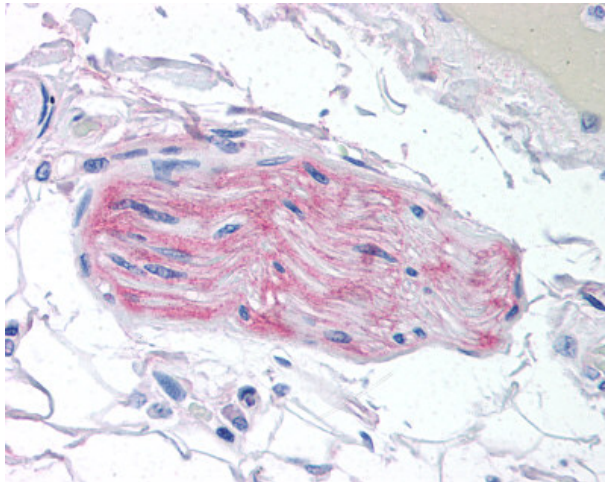
Background:

IKAP was initially identified as a scaffold protein of the I κ B kinase complex that could bind to IKK α , IKK β , NF- κ B, and the NF- κ B-inducing kinase (NIK), although later evidence has cast doubt on this. More recent reports show that mutations in IKAP such as a frameshift leading to a truncated protein or a missense mutation that leads to defective phosphorylation are responsible for the autosomal recessive genetic disease familial dysautonomia (FD). Reports indicating that it forms part of the RNA polymerase II transcription elongation complex suggest that this disease may be due to compromised transcription elongation.

More recently, it was shown that IKAP associates with c-Jun N-terminal kinase (JNK) and could specifically enhance JNK activation induced by the upstream JNK activators MEKK1 and ASK1, indicating another possible cause for FD. At least two isoforms of IKAP are known to exist.

Synonyms:

Elongator complex protein 1, IKAP, p150

Product images:

Lung, nerve: Formalin-Fixed Paraffin-Embedded (FFPE)